Bruhat Bangalore Mahanagara Palike

Excecutive Engineer Yelahanka Zone Project Division

Name of Work: Maintenace of Samudaya Bhavana in Ward No.04

					Estimate Cost Rs.			2.50 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 119, I.No. 15.51.2 of SR 2018-19).								
	Basic rate	90.00							
	8% AW	7.20							
	Total	97.20							
	BBMP Ward Office at Purvankara Appartment								
	Outside painting work	4	7.80		7.50	234.00			
		4	2.20		7.50	66.00			
		4	2.00		7.50	60.00			
		4	7.30		7.50	219.00			
		2	3.30		3.60	23.76			
		4	7.80		0.60	18.72			
		4	3.00		0.60	7.20			
	For Chajja	2	1.30		0.50	1.30			
		2	2.50		0.50	2.50			
	Staircase	2	2.70		1.00	5.40			
	Inside Painting work	4	6.75		3.50	94.50			
		4	7.30		3.50	102.20			
	Toilet	4	2.10		2.10	17.64			
		4	1.70		2.00	13.60			
	Ceiling	2	6.75		7.50	101.25			
	For CLF	1	13.75		2.10	28.88			
		1	11.00		2.10	23.10			
						1019.05			
	Deduction doors and windows								
	Doors	2	0.90		2.10	3.78			
	W	12	1.15		0.90	12.42			
	V	6	0.90		0.60	3.24			
						19.44			
						999.61	**Sqm**	**97.20**	**97,161.61**
2	KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. (P. No. 120, I.No. 15.55 of SR 2018-19).								
	Basic rate	43.00							
	Area weightage 8%	3.44							
	Sub total	46.44							

	Doors	2	0.90		2.10	3.78			
	W	12	1.15		0.90	12.42			
	V	6	0.90		0.60	3.24			
						19.44	**Sqm**	**46.44**	**902.79**
3	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.No. 121, I.No. 15.60.1 of SR 2018-19).								
	Basic rate	97.00							
	Area weightage 8%	7.76							
	Total	**104.76**							
		Vide Item no.02				19.44			
						19.44	**Cum**	**104.76**	**2,036.53**
	Electrical Works								
4	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP B Short point upto 3Mtr from tapping point to out let via switch								
			10.00			10.00			
						10.00	**Each**	**160.00**	**1,600.00**
5	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP B								
			4.00			4.00			
						4.00	**Each**	**245.00**	**980.00**
6	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with								
			4.00			4.00			
						4.00	**Each**	**345.00**	**1,380.00**
7	Wiring for lighting / power circuit using one of pvc insulated 1100v grade stranded aluminum unsheathed wire single core cable in open or concealed system of wiring II Group B 6Sqmm (9/20)								
			4.00			4.00			
						4.00	**Each**	**45.00**	**180.00**
8	Supplying heavy gauge PVC Conduit Pipe ....dia .....mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. 19/20mm dia 2mm thick								
			4.00			4.00			
						4.00	**Per mtr**	**45.00**	**180.00**

	Supplying and fixing PVC/metal conduit Deep junction box 19/20mm deep junction box								
			4.00			4.00			
						4.00	**Each**	**18.00**	**72.00**
10	Deep Junction Box 18/20mm deep junction box								
			4.00			4.00			
						4.00	**Each**	**29.00**	**116.00**
11	Supply and fixing metal fan box with round hook (32/11)								
			4.00			4.00			
						4.00	**Sqm**	**72.00**	**288.00**
12	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 12"x9"x3" (300x228x76)								
			4.00			4.00			
						4.00	**Each**	**80.00**	**320.00**
13	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 600Watts Dimmer								
			4.00			4.00			
						4.00	**Each**	**390.00**	**1,560.00**
14	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 16Amps one way switch								
			4.00			4.00			
						4.00	**Each**	**115.00**	**460.00**
15	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6/16Amps universal socket								
			4.00			4.00			
						4.00	**Each**	**170.00**	**680.00**
16	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.								
			20.00			20.00			
						20.00	**Sqc m**	**0.22**	**4.40**
17	Supplying patti type fluorescent tube light fitting of 4' -36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.								
			4.00			4.00			
						4.00	**Each**	**360.00**	**1,440.00**
18	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. On wall / ceiling / Rafter / Girders								
			4.00			4.00			
						4.00	**Each**	**105.00**	**420.00**

19	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.								
			10.00			10.00			
						10.00	**Sqm**	**105.00**	**1,050.00**
20	Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or brackets, with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame.								
			10.00			10.00			
						10.00	**Each**	**310.00**	**3,100.00**
21	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete								
			4.00			4.00			
						4.00	**Each**	**1950.00**	**7,800.00**
22	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP								
			10.00			10.00			
						10.00	**Each**	**195.00**	**1,950.00**
23	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. 300mmx300mmx214mm								
			4.00			4.00			
						4.00	**Each**	**3055.00**	**12,220.00**
24	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strips (except 2CX10Sq.mm wire armoured) as per IS-3975:1990 & extruded PVC outer sheathed armoured cable as per IS-1554 Part-1:1988 & confirming to GTP of GROUP-B 4 core 16 sqmm								
			4.00			4.00			
						4.00	**Per mtr**	**150.00**	**600.00**
25	Supplying patti type fluorescent tube light fitting of 4' -36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.								
			4.00			4.00			
						4.00	**Each**	**360.00**	**1,440.00**
26	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. 6 sqmm to 16 sqmm								
			4.00			4.00			

						4.00	mtr	8.00	32.00
	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) In soil (ordinary)								
			4.00			4.00			
						4.00	**mtr**	**40.00**	**160.00**
28	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 50mm								
			4.00			4.00			
						4.00	**mtr**	**260.00**	**1,040.00**
29	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm								
			4.00			4.00			
						4.00	**Each**	**260.00**	**1,040.00**
30	KSRB13-10.3 : Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.4 / 13.9 (P.No. 96, I.No. 13.76 of SR 2018-19).								
	Basic rate	118.00							
	Area weightage 8%	9.44							
	Total	**127.44**							
		1	40.00			40.00			
						40.00	**m**	**127.44**	**5,097.60**
31	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22 (P.No. 96, I.No. 13.78 of SR 2018-19).								
	Basic rate	6828.00							
	Area weightage 6%	409.68							
	Total	**7237.68**							
			1.00			1.00			
						1.00	**Nos**	**7237.68**	**7,237.68**
32	KSRB13-6.5-1 : Providing and fixing in position 15mm nominal bore brass ferrule with C.I mouth cover including boring and tapping the main, cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.3 / 13.14 (P.No. 94, I.No. 13.43 of SR 2018-19).								
	Basic rate	161.00							
	Area weightage 8%	12.88							
	Total	**173.88**							
		1	4.00			4.00			
						4.00	**Each**	**173.88**	**695.52**

	KSRB 11-3 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P.No. 79, I.No. 12.3 of SR 2018-19).								
	Basic rate	1331.00							
	Area weightage 8%	106.48							
	Total	**1437.48**							
			4.00			4.00			
						4.00	**Sqm**	**1437.48**	**5,749.92**
34	Sub mersible Pumpset 2HP	L/s							10,000.00
35	Suppluing furnitures to ward office	L/s							52,000.00
								Total Construction Cost	220994.05
								12% GST	26,519.29
								1% PMC Charges	2,209.94
								Sub Total	249723.28
								Miscellaneous & Rounding off	276.72
								GRAND TOTAL	250000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer,
Yelahanka Project Division,
BBMP Bangalore

Asst. Exec. Engineer
Yelahanka Project Division,
BBMP Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Yelahanka Project Division,
BBMP Bangalore

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Administrative Approval
Accorded For Rs. 2.50 lakhs only
Head of A/C P-3292
CER NO : 09 Dt: 19/10/19
E.E. (Project) 19/X

Technical Sanction
Accorded For Rs. 2.50 lakhs only
Head of A/C P-3292
CER NO : 09 Dt: 19/10/19
E.E. (Project) 19/X